Contents Volume 256

MAN-DUEN CHOI (Toronto, Canada), JINCHUAN HOU (Linfen, Shanxi, People's Republic of China), AND PETER ROSENTHAL (Toronto, Canada)
Completion of Operator Partial Matrices to Square-Zero Contractions . . 1

REINHARD NABBEN (Bielefeld, Germany)
Z-Matrices and Inverse Z-Matrices 31

A. MESSAOUDI (Villeneuve d'Ascq, France)
Matrix Extrapolation Algorithms 49

CHEN XI AND ZHANG KE MIN (Nanjing, People's Republic of China)
The Upper Bounds of the Generalized Maximum Density Index of Irreducible Boolean Matrices 75

MIROSLAV FIEDLER AND VLASTIMIL PTÁK (Praha, The Czech Republic)
Block Analogies of Comparison Matrices 95

RAFAEL BRU, CARMEN COLL, VICENTE HERNÁNDEZ, AND ELENA SÁNCHEZ (Valencia, Spain)
Geometrical Conditions for the Reachability and Realizability of Positive Periodic Discrete Systems 109

CYNTHIA J. WYELS (Ogden, Utah)
Permutation Equivalence and the Hermite Invariant 125

KATARINA CECHLÁROVÁ AND KAROL KOLESÁR (Košice, Slovakia)
Strong Regularity of Matrices in a Discrete Bounded Bottleneck Algebra 141

ERXIONG JIANG AND XINGZHI ZHAN (Shanghai, People's Republic of China)
Lower Bounds for the Spread of a Hermitian Matrix 153

GEORGE PHILLIP BARKER (Kansas City, Missouri) AND BIT-SHUN TAM (Taiwan, Republic of China)
Baer Semirings and Baer *-Semirings of Cone-Preserving Maps 165

HOLGER W. GOLLAN AND GERHARD O. MICHLER (Essen, Germany)
Construction of a 45,694-Dimensional Simple Module of Lyons' Sporadic Group Over GF(2) 185

YONGZHONG SONG (Nanjing, People's Republic of China)
On the Convergence of the Generalized AOR Method 199

Table of Contents continues

Table of Contents continued

BERND SILBERMANN (Chemnitz, Germany)
Asymptotic Moore-Penrose Inversion of Toeplitz Operators 219

DAVID P. JACOBS (Clemson, South Carolina) AND VILMAR TREVISAN (Porto Alegre, Brâsil)
The Determinant of a Tree's Neighborhood Matrix 235

XIANG-DONG HOU (Dayton, Ohio)
On the Centralizer of the Centralizer of a Matrix 251

YONGHONG CHEN (Prestonsburg, Kentucky) AND M. NEUMANN (Storrs, Connecticut)
M-Matrix Generalized Inverses of M-Matrices 263

J. M. VAN DEN HOF (Amsterdam, The Netherlands)
Realization of Positive Linear Systems 287

AUTHOR INDEX 309